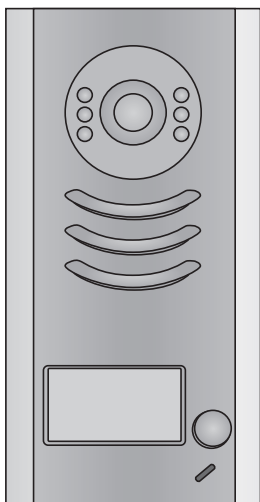


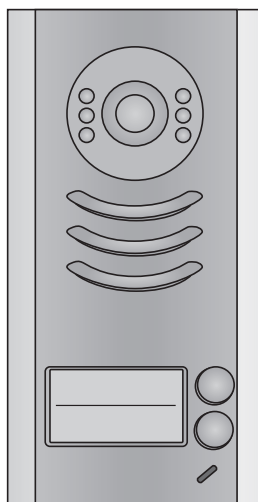


SVT-2 Outdoor Station B/C

User Manual



SVT-2 Outdoor Station A
2W12120



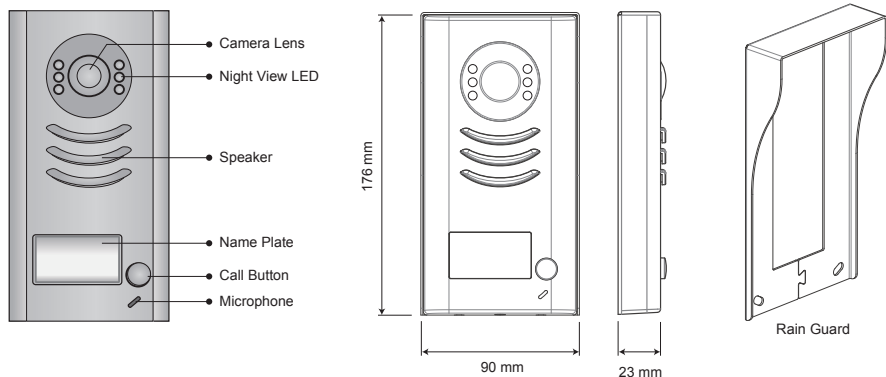
SVT-2 Outdoor Station B
2W12120

Please read this user manual prior to installing the system, and keep it well for future use.

CONTENTS

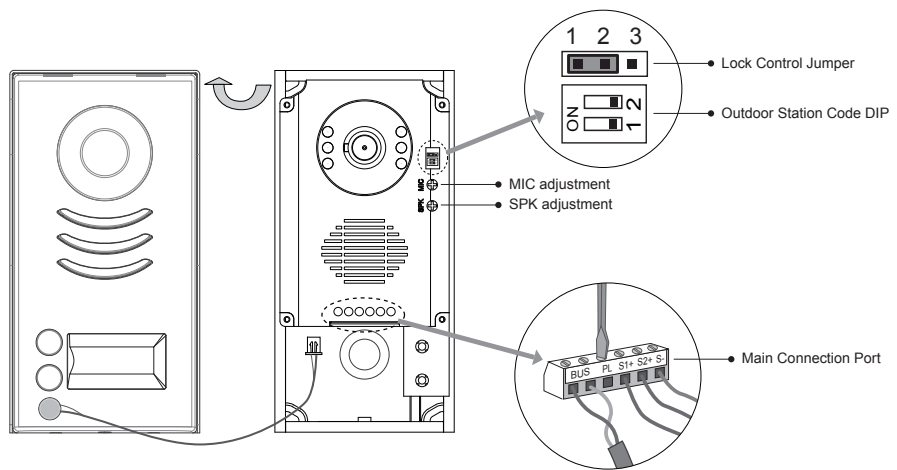
1.Parts and Functions.....	1
2.Terminal Descriptions	1
3.Specification	2
4.Mounting.....	2
4.1 Mounting Without Rain Guard.....	2
4.2 Mounting With Rain Guard.....	3
4.3 Placing Name Label	3
4.4 Adjusting Camera Angle	4
5.System Wiring and Connections	4
5.1 Basic Connection.....	4
5.2 Electric Lock Connection	5
5.2.1 Door Lock Controlled with Internal Power	5
5.2.2 Door Lock Controlled with Dry Contact	5
5.2.3 How to setup the unlock parameter in Monitor	6
5.3 Multi Outdoor Stations Connection.....	7
5.4 Multi Indoor Monitors Connection	8
5.4.1 Basic IN-OUT Wiring Mode	8
5.4.2 With DBC-4 Wiring Mode	9
6.Setup	10
6.1 DIP Switches Settings of Outdoor Station.....	10
6.2 DIP Switches Settings of Indoor Monitor	10
6.3 Power Supply.....	12
7.Cable Requirements	13

1.Parts and Functions



Note: Outdoor Station B has two call buttons.

2.Terminal Descriptions



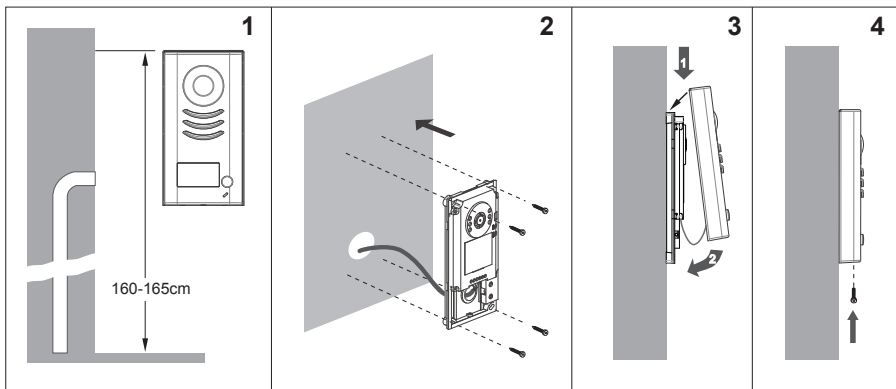
- **Lock Control Jumper:** To select the lock type: see 5.2.1 , 5.2.2
- **Outdoor Station Code DIP:** Total 4 outdoor stations can be supported, see 6.1
- **Main Connect Port:** To connect the bus line and the electric locks.
- **BUS:** Connect to the bus line, no polarity.
- **PL:** External lock power input, connect to the power positive(power +).
- **S1+, S2+:** Lock power(+) output, to connect 2 locks.
- **S-:** Lock power(-) output, connect to the power(-) input of locks(only when using the camera to power the locks, if using the external power supply for the locks, the S- will not be connected).

3.Specification

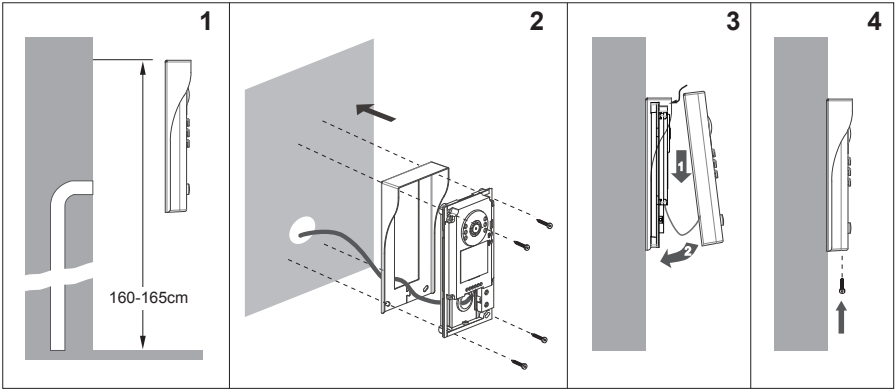
Lock Power supply:	12Vdc, 300mA(Internal Power)
Power Consumption:	1W in standby, 12W in working
NO, COM dry contact:	Max. 48V dc 1.5A
Unlocking time:	1 to 9 seconds, set by Monitor
Working temperature:	-10°C ~ 45°C

4.Mounting

4.1 Mounting Without Rain Guard

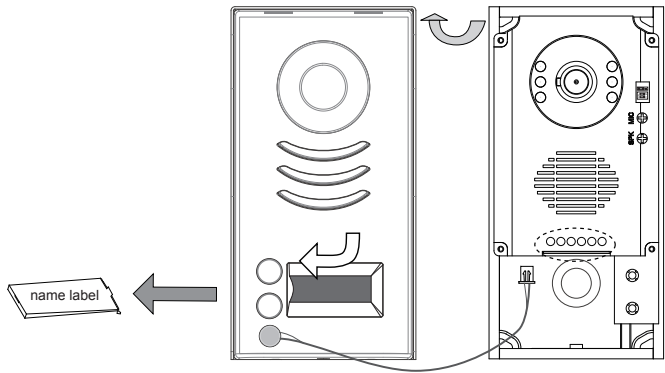


4.2 Mounting With Rain Guard

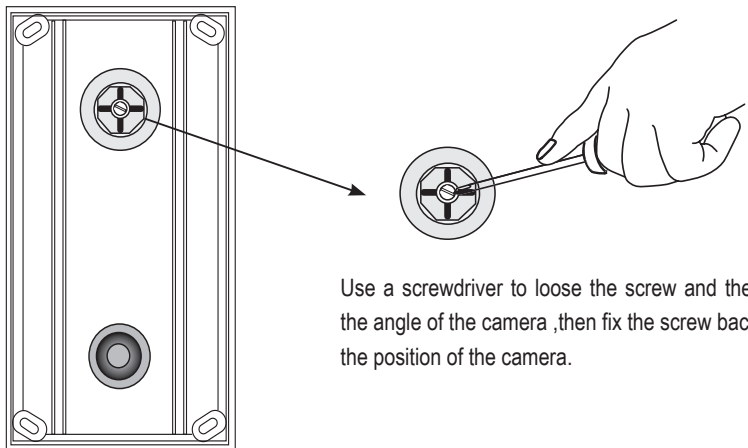


4.3 Placing the Name Label

Move the plastic cover away to open the transparent name label cover, insert a name paper, then put the plastic cover back to the panel.



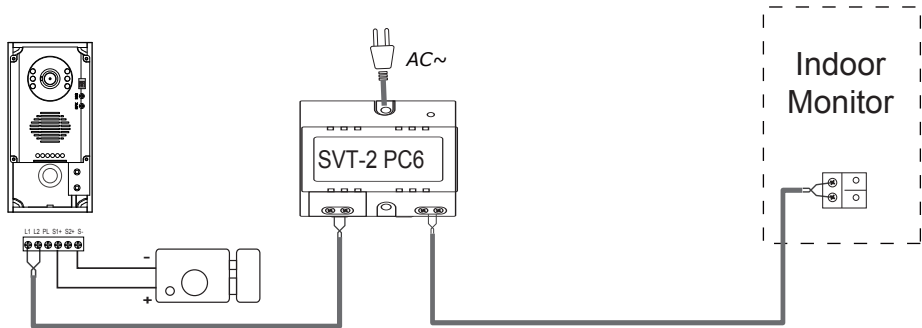
4.4 Adjusting the Camera Angle



Use a screwdriver to loose the screw and then adjust the angle of the camera ,then fix the screw back to hold the position of the camera.

5.System Wiring and Connections

5.1 Basic Connection



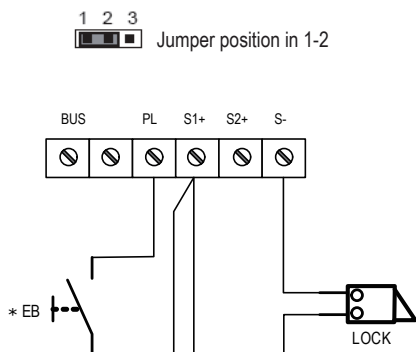
5.2 Electric Lock Connection

5.2.1 Door Lock Controlled with Internal Power

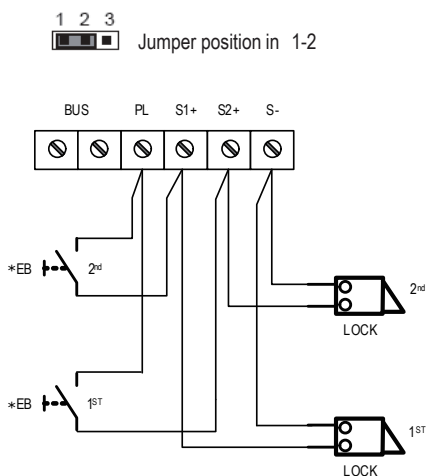
Note:

1. Electric lock of Power-on-to-unlock type should be used.
2. The door lock is limited to 12V, and holding current must be less than 250mA.
3. The door lock control is not timed from Exit Button(EB).
4. The **Unlock Mode** Parameter on the Indoor Monitor must be set to 0 (by default).

One (1) lock connection



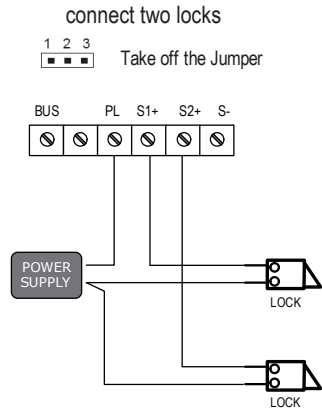
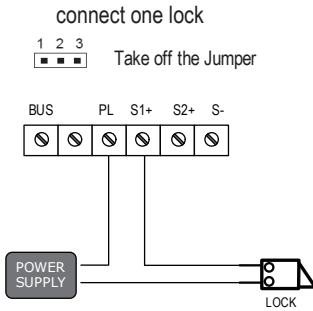
Two (2) lock connection



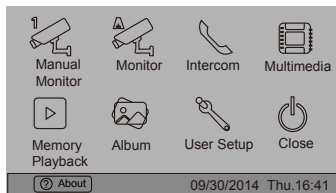
5.2.2 Door Lock Controlled with Dry Contact

Note:

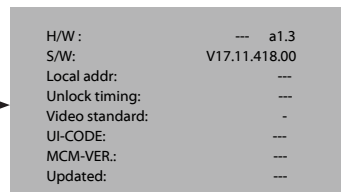
1. The external power supply must be used according to the lock.
2. The jumper must be taken off before connecting.
3. Setup the **Unlock Mode** on the Indoor Monitor for different lock types.
 - Power-on-to-unlock type: Unlock Mode=0 (by default)
 - Power-off-to-unlock type: Unlock Mode=1



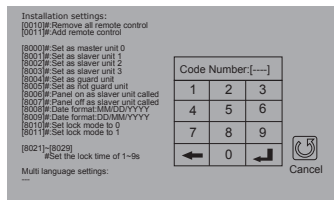
5.2.3 Unlock parameter setting (set on Indoor Monitor)



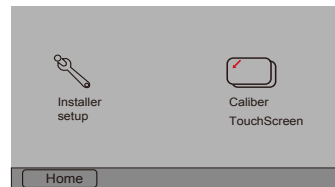
1.Touch About item on main menu page.



2.Touch the screen anywhere and hold for 2s.



4.A digital keypad and setting instructions will be shown.

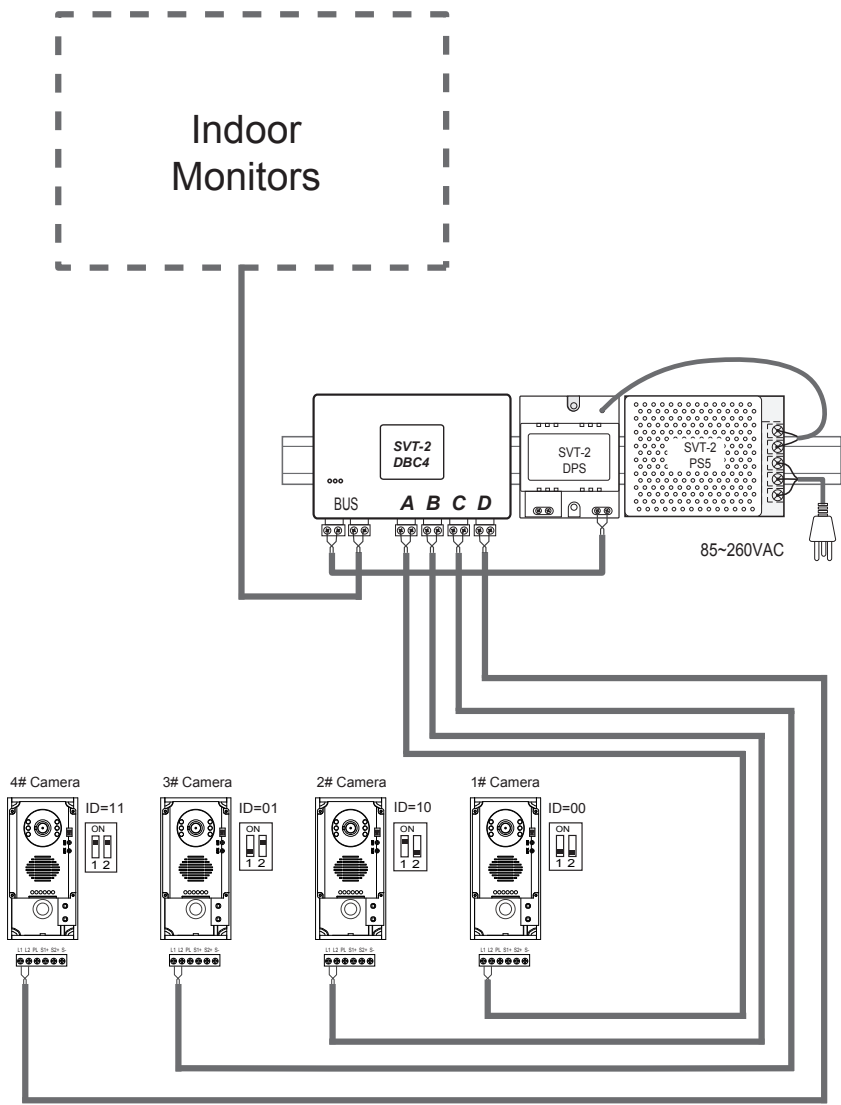


3.Touch Installer setup item

Note:

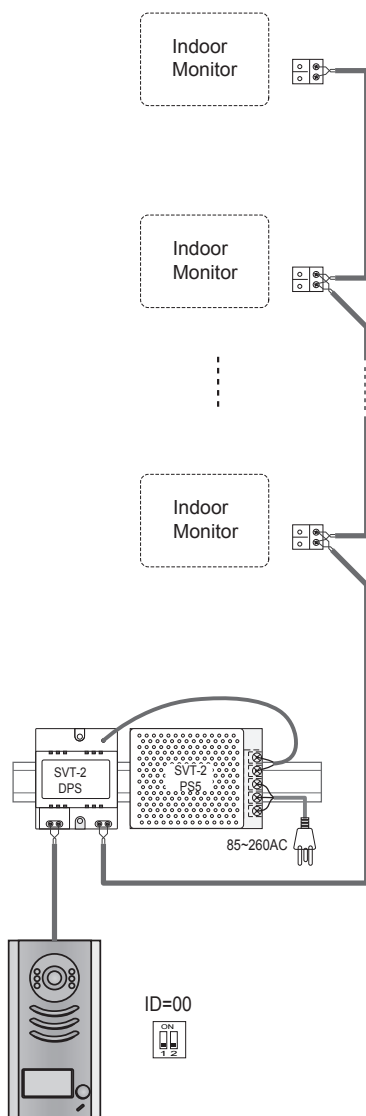
- 1.The system must be installed properly before proceeding to the Unlock Parameter Setting.
- 2.The parameter will be saved automatically,so you only need to program on one monitor.
- 3.Please note, the text of the diagrams above may distinguish on each Indoor Monitor series. For additional information, refer to the corresponding Indoor Monitor User Manual.

5.3 Multiple Outdoor Stations Connection

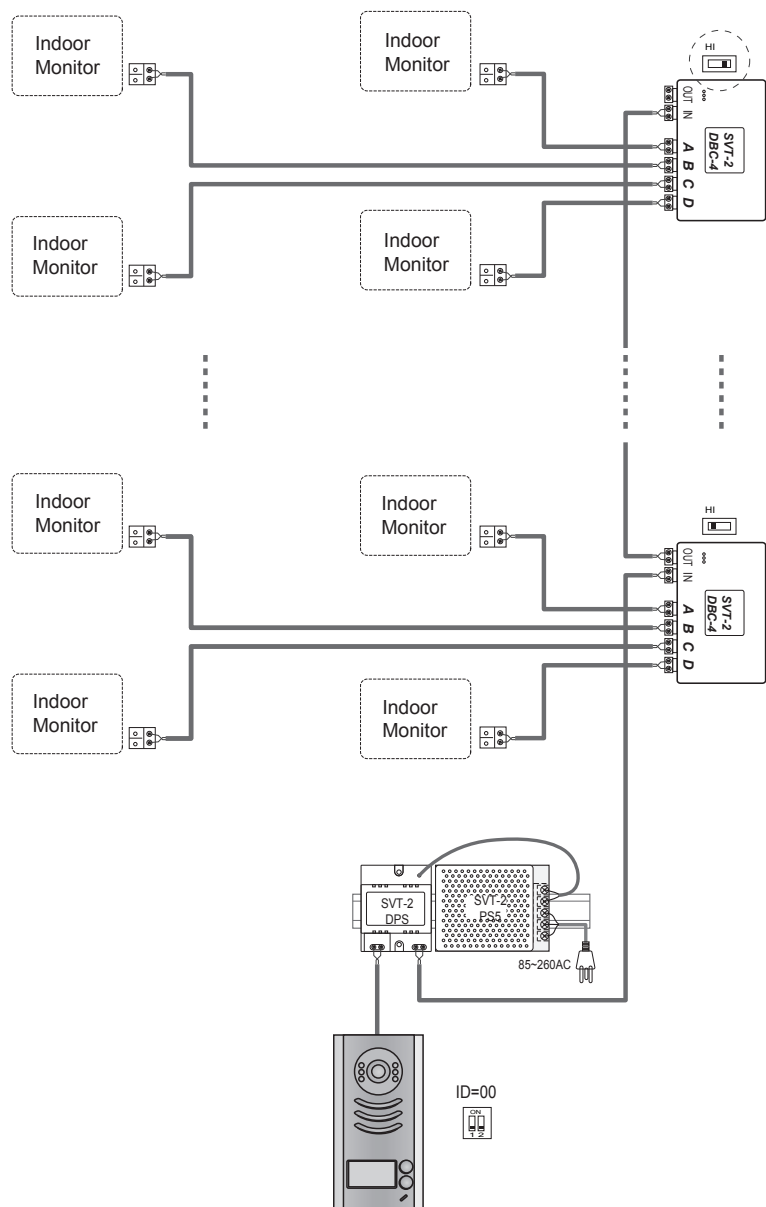


5.4 Multiple Indoor Monitors Connection

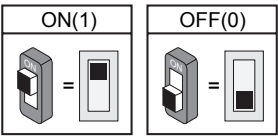
5.4.1 Basic IN-OUT Wiring Mode



5.4.2 Using DBC-4 device - Wiring Mode







6.Setup






6.1 DIP Switches Settings of Outdoor Station

Total 2 bits on the DIP switches can be configured. The switches can be modified either before or after installation.

Bit state	Descriptions
	Default setting, ID = 0(00), set to the first Door Station.
	ID = 1(10), set to the second Door Station.
	ID = 2(01), set to the third Door Station.
	ID = 3(11), set to the fourth Door Station.

6.2 DIP Switches Settings of Indoor Monitor

There are 3 DIP switches in total. Bits 1 and 2 are reserved and must be on the default position. The Bit 3 is used to configure the position of each indoor monitor in the connection line. It must be set to ON if the indoor monitor is in the end of the line, parallel connection, or connected to a DBC-4 module. It must be set to OFF if the indoor monitor is in the middle of the line (daisy chain connection)

Bit	Bit State	Description
DIP1&2		Reserved. left to default.
DIP3		Set to OFF. When the monitor is in the middle of the line in daisy chain connection.
		Set to ON. When the monitor is at the end of the line or connected to a SVT-DBC4.

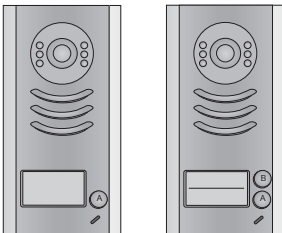
Each indoor monitor should be assigned with an address in the system.

SVT-2 Outdoor Station B (2W12120): A maximum of 16 indoor monitors can be connected to the system. Program the indoor monitors with user codes 0 - 15.

SVT-2 Outdoor Station C (2W12130): 16 indoor monitors can be connected to each call button, with a maximum of 32 indoor monitors per system.

*For additional settings, refer to the Indoor Monitor User Manual.

Input No.	User Code	Input No.	User Code	Input No.	User Code
8200	Code=0	8211	Code=11	8222	Code=22
8201	Code=1	8212	Code=12	8223	Code=23
8202	Code=2	8213	Code=13	8224	Code=24
8203	Code=3	8214	Code=14	8225	Code=25
8204	Code=4	8215	Code=15	8226	Code=26
8205	Code=5	8216	Code=16	8227	Code=27
8206	Code=6	8217	Code=17	8228	Code=28
8207	Code=7	8218	Code=18	8229	Code=29
8208	Code=8	8219	Code=19	8230	Code=30
8209	Code=9	8220	Code=20	8231	Code=31
8210	Code=10	8221	Code=21		



Note:

Call button A: configure indoor monitors with user codes 0 - 15

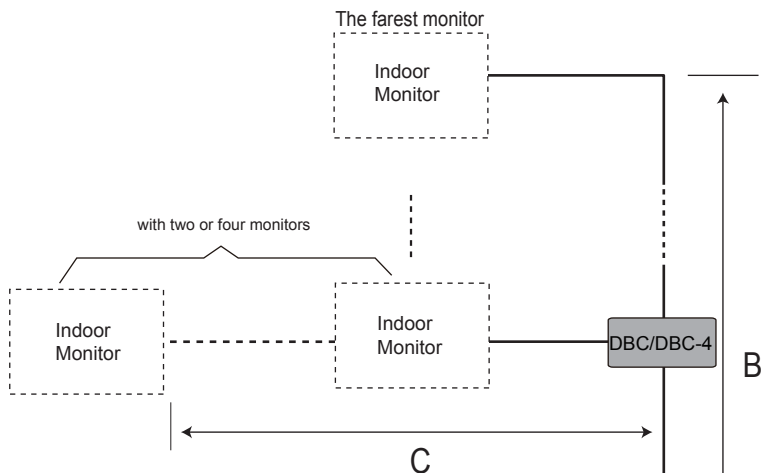
Call button B: configure indoor monitors with user codes 16 - 31

6.3 Power Supply

Name	Description	Specifications
SVT-2 PC6	It supplies power for the outdoor stations, indoor monitors and other accessories. It supports up to 8 indoor monitors.	Input Voltage: 100 ~ 240Vac Input Frequency: 50 ~ 60Hz Rated Output Voltage: DC 28V, 2V Rated Output Current: 1.5A
SVT-PS5	It provides power for the outdoor stations, indoor monitors and other accessories. It supports a maximum of 32 indoor monitors. It must be used along with a SVT-DPS device.	Input Voltage: 100~120VAC (2.5A), 200 ~ 240VAC (1.5A) Input Frequency: 50 ~ 60 Hz Rated Output Voltage: 24Vdc Rated Output Current: 4.5A

7.Cable Requirements

Using different cables may also affect the maximum distance which the system can reach.

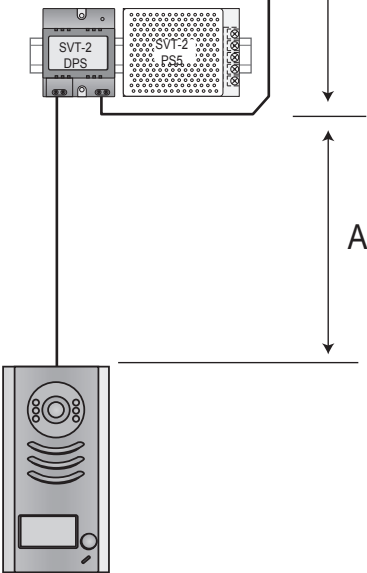


When Monitor quantity < 20

Cable Usage	A	B	C
CAT5 cable (1 pair of wire per conductor - must solder the ends)	200 feet 60 meters	200 feet 60 meters	100 feet 30 meters
14 AWG Speaker Wire (Stranded non-shielded)	260 feet 80 meters	260 feet 80 meters	130 feet 40 meters

When Monitor quantity > 20

Cable Usage	A	B	C
14 AWG Speaker Wire (Stranded non-shielded)	230 feet 70 meters	165 feet 50 meters	100 feet 30 meters





The design and specifications of this user manual can be changed without any notification to the user.
All copyright and interpretation rights are reserved to SVT Innovations Inc.

